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K6A 1K7  
Canada

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**D4131-041**  
**Job Sheet 193489**



**Part No:** D4131-041

**Job Qty:** 5 pcs

**Part Name:** Manifold Assembly



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 4/15/19

**Job Tracking No:**

**Due Date:** 4/30/19

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:**

**Note:** DWG REV C SHEETS 1,4 IPP Rev:A 10.10.06 new issue DD verf:EC IPP Rev:B 11.09.26 AS PER REV.B DD verf:EC

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                 | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|---------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                           |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Large Fab - Welded Assy-1 | 5 pcs | 4/30/19    |          | 0.00      | 7.58    | Large Fab - 1         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 10        |           |          |
|       |                           |       |            |          |           |         | Large Fab - 2         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 3         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 4         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 5         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 6         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 7         |           |          |
|       |                           |       |            |          |           |         | Large Fab - 8         |           |          |
| 110   | QC 9                      | 5 pcs | 4/30/19    |          | 0.00      | 0.00    | Large Fab - 9         |           |          |
|       |                           |       |            |          |           |         | QC 9 - 10             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 18             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 24             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 43             |           |          |
|       |                           |       |            |          |           |         | QC 9 - 50             |           |          |
| 120   | QC 5                      | 5 pcs | 4/30/19    |          | 0.00      | 0.00    | QC 9 - 9              |           |          |
|       |                           |       |            |          |           |         | QC 5 - 10             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 12             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 17             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 18             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 19             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 22             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 24             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 3              |           |          |
|       |                           |       |            |          |           |         | QC 5 - 43             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 49             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 51             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 58             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 68             |           |          |
|       |                           |       |            |          |           |         | QC 5 - 9              |           |          |



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**Container No:** S177702



**Part:** D4131-041

**Job No:** 193489

**Serial No/Batch:** S177702

**Revision:**

**Inspector:**

**Exp Date:**

**Instructions:** Various STC's

Date: 05/03/19

Plex 4/15/19 4:19 PM Dart.lajeunesse.marie

|                                 |       |         |           |                        |  |
|---------------------------------|-------|---------|-----------|------------------------|--|
| 124 Small Fab - 2 - B4B         | 5 pcs | 4/30/19 | 0.00 0.61 | QC 5 - 50              |  |
|                                 |       |         |           | QC 5 - 30              |  |
|                                 |       |         |           | QC 5 - 40              |  |
|                                 |       |         |           | Small Fab - 1 - B4B    |  |
|                                 |       |         |           | Small Fab - 2 - B4B    |  |
|                                 |       |         |           | Small Fab - 3 - B4B    |  |
|                                 |       |         |           | Small Fab - 4 - B4B    |  |
|                                 |       |         |           | Small Fab - 5 - B4B    |  |
|                                 |       |         |           | Small Fab - 6 - B4B    |  |
| 126 QC 5                        | 5 pcs | 4/30/19 | 0.00 0.00 | Small Fab - 7 - B4B    |  |
|                                 |       |         |           | QC 5 - 10              |  |
|                                 |       |         |           | QC 5 - 12              |  |
|                                 |       |         |           | QC 5 - 17              |  |
|                                 |       |         |           | QC 5 - 18              |  |
|                                 |       |         |           | QC 5 - 19              |  |
|                                 |       |         |           | QC 5 - 22              |  |
|                                 |       |         |           | QC 5 - 24              |  |
|                                 |       |         |           | QC 5 - 3               |  |
|                                 |       |         |           | QC 5 - 43              |  |
|                                 |       |         |           | QC 5 - 49              |  |
|                                 |       |         |           | QC 5 - 51              |  |
|                                 |       |         |           | QC 5 - 58              |  |
|                                 |       |         |           | QC 5 - 68              |  |
|                                 |       |         |           | QC 5 - 9               |  |
|                                 |       |         |           | QC 5 - 50              |  |
|                                 |       |         |           | QC 5 - 30              |  |
|                                 |       |         |           | QC 5 - 40              |  |
| 130 Packaging 3-1 - Stock - B4B | 5 pcs | 4/30/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 2 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 3 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 4 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 5 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 6 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 7 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 8 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 9 - B4B  |  |
|                                 |       |         |           | Packaging 3 - 10 - B4B |  |
|                                 |       |         |           | Packaging 3 - 11 - B4B |  |
|                                 |       |         |           | Packaging 3 - 12 - B4B |  |
|                                 |       |         |           | Packaging 3 - 13 - B4B |  |
|                                 |       |         |           | Packaging 3 - 14 - B4B |  |
|                                 |       |         |           | Packaging 3 - 15 - B4B |  |
|                                 |       |         |           | Packaging 3 - 16 - B4B |  |
|                                 |       |         |           | Packaging 3 - 17 - B4B |  |
|                                 |       |         |           | Packaging 3 - 18 - B4B |  |
|                                 |       |         |           | Packaging 3 - 19 - B4B |  |
|                                 |       |         |           | Packaging 3 - 20 - B4B |  |
|                                 |       |         |           | Packaging 3 - 21 - B4B |  |
|                                 |       |         |           | Packaging 3 - 22 - B4B |  |
|                                 |       |         |           | Packaging 3 - 23 - B4B |  |
|                                 |       |         |           | Packaging 3 - 24 - B4B |  |
|                                 |       |         |           | Packaging 3 - 25 - B4B |  |
|                                 |       |         |           | Packaging 3 - 26 - B4B |  |
|                                 |       |         |           | Packaging 3 - 27 - B4B |  |
|                                 |       |         |           | Packaging 3 - 28 - B4B |  |
|                                 |       |         |           | Packaging 3 - 29 - B4B |  |
|                                 |       |         |           | Packaging 3 - 30 - B4B |  |
|                                 |       |         |           | Packaging 3 - 31 - B4B |  |
|                                 |       |         |           | Packaging 3 - 32 - B4B |  |

|                |       |         |           |                        |      |
|----------------|-------|---------|-----------|------------------------|------|
|                |       |         |           | Packaging 3 - 33 - B4B |      |
|                |       |         |           | Packaging 3 - 34 - B4B |      |
|                |       |         |           | Packaging 3 - 35 - B4B |      |
|                |       |         |           | Packaging 3 - 36 - B4B |      |
| 140 QC 21 - SA | 5 pcs | 4/30/19 | 0.00 0.00 | QC 21 - SA - 21        | DAG  |
|                |       |         |           | QC 21 - SA - 70        | 21   |
|                |       |         |           | QC 21 - SA - 53        | 2-03 |

Part Op 100 - Weld per dwg A/R S.S. rod Batch: P22

Descriptions: 110 - QC9- Inspect visual per QSI004- Fusion Welds  
 120 - QC5- Inspect part completeness to step on W/O  
 124 - Small Fab  
 126 - QC5- Inspect part completeness to step on W/O  
 130 - Identify as per dwg & Stock Location:  
 140 - QC21- Final Inspection - Work Order Release

MAY 07 2019

| Job BOM     |                |               |                               |             |  |
|-------------|----------------|---------------|-------------------------------|-------------|--|
| Part / Item | Component Name | Quantity      | Operation                     | Container   |  |
| D4131-1     | Front Plate    | 5 pcs (1 ea)  | 100-Large Fab - Welded Assy-1 | 5170707     |  |
| D4131-3     | Base           | 5 pcs (1 ea)  | 100-Large Fab - Welded Assy-1 | 5172150     |  |
| D4131-5     | Side Plate     | 10 pcs (2 ea) | 100-Large Fab - Welded Assy-1 | 5159023     |  |
| D4131-9     | Label Plate    | 5 pcs (1 ea)  | 124-Small Fab - 2 - B4B       | 512453      |  |
| MS20615-3M3 | Rivet          | 10 Ea (2 ea)  | 124-Small Fab - 2 - B4B       | fm124859-40 |  |

| Job Allocations               |                |          |           |           |
|-------------------------------|----------------|----------|-----------|-----------|
| Operation                     | Component Part | Required | Inventory | Allocated |
| 100-Large Fab - Welded Assy-1 | D4131-1        | 5        | 22        | 0         |
|                               | D4131-3        | 5        | 19        | 0         |
|                               | D4131-5        | 10       | 33        | 0         |
|                               | D4131-9        | 5        | 29        | 0         |
| 124-Small Fab - 2 - B4B       | MS20615-3M3    | 10       | 1,453     | 0         |

| Part Specifications                |
|------------------------------------|
| Specifications could not be found. |



Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                        | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |              |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                            | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                        | MRB (QSI042) |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Disposition            |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Completed By           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lead hand / Supervisor |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QC / QA Coordinator    |              |  |
| <b>Root Cause</b><br><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                        |              |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |              |  |